

Amendments to the Claims

Please add new claims 29-31.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-9 (Canceled).

10 (Previously Presented). A golf ball comprising:

a solid core composed of a polybutadiene mixture, the solid core having a coefficient of restitution of 0.770 or more, a diameter of 1.2 inches to 1.6 inches, and a PGA compression of 70 or less;

an inner cover layer molded on the solid core, the inner cover layer having a Shore D hardness of at least 60 as measured on the curved outer surface thereof, and including at least one material selected from the group consisting of polyphenylene ether/ionomer blends, ionomers, polyamides, polyurethanes, polyester elastomers, polyester amides, metallocene catalyzed polyolefins, and blends thereof, the solid core and inner cover layer forming an inner ball having a coefficient of restitution of 0.790 or more, a diameter of 1.48 inches to 1.66 inches, and a PGA compression of 90 or less; and

an outer cover layer molded about the inner cover layer, the outer cover layer having a Shore D hardness of no more than 55 as measured on the curved surface thereof, the outer cover layer composed of a thermoplastic polyester polyurethane;

wherein the golf ball having a spin factor of at least about 5, a PGA compression of 100 or less and a coefficient of restitution of at least 0.770.

11-14 (Canceled).

15 (Previously Presented). A golf ball comprising:

an inner ball, the inner ball comprising a core and an inner cover layer disposed about the core, the core composed of a polybutadiene mixture, the core having a coefficient of restitution of 0.770 or more, a diameter of 1.2 inches to 1.6 inches, and a PGA compression of 70 or less, the inner cover layer composed of a polyurethane material, the inner ball having a coefficient of restitution of at least 0.780; and

an outer cover layer disposed about the inner ball, the outer cover layer having a Shore D hardness of no more than 55 as measured on the curved surface thereof, the outer cover layer composed of a metallocene catalyzed polyolefin material;

wherein the golf ball exhibits a coefficient of restitution of at least 0.770 and a PGA compression of 100 or less.

16-21 (Canceled).

22 (Previously Presented). A golf ball comprising:

a core composed of a polybutadiene mixture, the solid core having a coefficient of restitution of 0.770 or more, a diameter of 1.2 inches to 1.6 inches, and a PGA compression of 70 or less;

an inner cover layer disposed on the core, the inner cover layer having a Shore D hardness of at least 60 as measured on the curved outer surface thereof, and comprising at least one material selected from the group consisting of polyphenylene ether/ionomer blends, polyamides, polyester elastomers, polyester amides, metallocene catalyzed polyolefins, and blends thereof, the core and inner cover layer forming an inner ball having a coefficient of restitution of 0.790 or more, a diameter of 1.48 inches to 1.66 inches, and a PGA compression of 90 or less; and

an outer cover layer disposed about the inner cover layer, the outer cover layer having a Shore D hardness of no more than 55 as measured on the curved surface thereof and comprising a material selected from the group consisting of polyphenylene ether/ionomer blends, polyamides, polyester elastomers, polyester amides, metallocene catalyzed polyolefins, and blends thereof;

wherein the golf ball exhibits a PGA compression of 100 or less and a coefficient of restitution of at least 0.770.

23-28 (Canceled).

29 (New). A golf ball comprising:

a solid core formed from materials comprising at least one polybutadiene, a zinc oxide and a zinc diacrylate, the solid core having a coefficient of restitution of 0.770 or more, a mass ranging from 30 grams to 40 grams, and having a diameter of 1.2 inches to 1.6 inches;

an inner cover layer molded on the solid core, the inner cover layer having a thickness ranging from 0.03 inch to 0.07 inch, the inner cover layer having a Shore D hardness of at least 60 as measured on the curved outer surface thereof, and comprising a blend of ionomers, the blend of ionomers having at least one ionomer with an acid content by weight of 17% to 25%, and 10% to 90% neutralization of the acids by metal ions selected from the group consisting of zinc, sodium and magnesium, the solid core and inner cover layer forming an inner ball having a coefficient of restitution of 0.790 or more, and a diameter of 1.48 inches to 1.66 inches; and

an outer cover layer molded about the inner ball, the outer cover layer comprising a polyurethane material, the outer cover layer having a thickness ranging from 0.03 inch to 0.06 inch;

wherein the golf ball has a coefficient of restitution of at least 0.770 and a diameter of 1.680 inches or more.

30(New). A golf ball comprising:

a solid core composed of a polybutadiene mixture, the solid core having a coefficient of restitution of 0.770 or more, a diameter of 1.2 inches to 1.6 inches, and a PGA compression of 70 or less;

an inner cover layer molded on the solid core, the inner cover layer having a thickness ranging from 0.03 inch to 0.07 inch, the inner cover layer having a Shore D hardness of at least 60 as measured on the curved outer surface thereof, and comprising a blend of ionomers, the blend of ionomers having at least one ionomer with an acid content by weight of 17% to 25%, and 10% to 90% neutralization of the acids by metal ions selected from the group consisting of zinc, sodium and magnesium, the solid core and inner cover layer forming an inner ball having a coefficient of restitution of 0.790 or more, a diameter of 1.48 inches to 1.66 inches; and

an outer cover layer molded about the inner ball, the outer cover layer having a thickness ranging from 0.03 inch to 0.06 inch, the outer cover layer composed of a polyurethane material;

wherein the golf ball having a diameter of 1.680 inches or more, a PGA compression of 100 or less and a coefficient of restitution of at least 0.770.

31(New). The golf ball according to claim 30 wherein the inner cover layer further comprises a metal fatty acid salt.